

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A hard surface cleaning composition comprising

(a) an effective amount of at least one low-volatile non-VOC evaporative organic solvent that has limited solubility in water of less than 20% and reduces surface tension of the composition to less than 40 dynes/cm;

(b) an effective amount of at least one amphoteric surfactant and, optionally, at least one additional surfactant which is ~~amphoterie~~, anionic, nonionic, cationic, or a mixture thereof,

(c) ~~optionally~~ an effective amount of at least one co-solvent which is different from (a) and when said co-solvent is a low volatile non-VOC solvent, said co-solvent has at least a different water-solubility or different surface tension reduction capacity from said solvent of (a), and includes at least one aliphatic alcohol; and

(d) an aqueous carrier;
wherein said composition has less than about 4% by wt. volatile organic compound (VOC) content.

2. (Currently Amended) A hard surface cleaning composition comprising

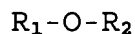
(a) greater than 0 to about 4% by wt. of at least one low-volatile and/or high-volatile evaporative organic solvent that has limited solubility in water of less than 20% and reduces surface tension of the composition to less than 40 dynes/cm;

(b) greater than 0 to about 5% by wt. of at least one amphoteric surfactant and, optionally, at least one additional surfactant which is ~~amphoteric~~, anionic, nonionic, cationic or a mixture thereof;

(c) from greater than 0 to about 30% by wt. of at least one co-solvent which is different from (a) and when said co-solvent is a low volatile non-VOC solvent, said co-solvent has at least a different water-solubility or different surface tension reduction capacity from said solvent of (a), and includes at least one aliphatic alcohol; and

(d) a balance of an aqueous carrier;
wherein said composition has less than about 4% by wt. volatile organic compound (VOC) content.

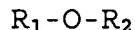
3. (Original) The hard surface cleaning composition of claim 1 wherein said at least one low-volatile non-VOC evaporative organic solvent is a glycol ether having a formula --



wherein R_1 is a C_1-C_8 linear, branched or cyclic alkyl or

alkenyl optionally substituted with -OH, -OCH₃, or -OCH₂CH₃ and R₂ is a C₁-C₆ linear, branched or cyclic alkyl or alkenyl substituted with -OH.

4. (Original) The hard surface cleaning composition of claim 2 wherein said at least one low-volatile non-VOC evaporative organic solvent is a glycol ether having a formula -



wherein R₁ is a C₁-C₈ linear, branched or cyclic alkyl or alkenyl optionally substituted with -OH, -OCH₃, or -OCH₂CH₃ and R₂ is a C₁-C₆ linear, branched or cyclic alkyl or alkenyl substituted with -OH.

5. (Canceled).

6. (Canceled).

7. (Canceled).

8. (Canceled).

9. (Currently Amended) The hard surface cleaning composition of claim 5 1 wherein said at least one amphoterics surfactant is disodium cocoamphodipropionate.

10. (Currently Amended) The hard surface cleaning composition of claim 6 2 wherein said at least one amphoterics surfactant is disodium cocoamphodipropionate.

11. (Original) The hard surface cleaning composition of claim 1 wherein said at least one low-volatile

evaporative organic solvent is ethylene glycol n-hexyl ether.

12. (Original) The hard surface cleaning composition of claim 2 wherein said at least one low-volatile evaporative organic solvent is ethylene glycol n-hexyl ether.

13. (Original) The hard surface cleaning composition according to claim 9 wherein said at least one low-volatile non-VOC evaporative organic solvent is ethylene glycol n-hexyl ether.

14. (Original) The hard surface cleaning composition according to claim 10 wherein said at least one low-volatile non-VOC evaporative organic solvent is ethylene glycol n-hexyl ether.

15. (Currently Amended) The hard surface cleaning composition according to claim 1 wherein said at least one additional surfactant of (b) comprises ~~an amphoteric surfactant~~ and an anionic surfactant.

16. (Currently Amended) The hard surface cleaning composition according to claim 2 wherein said at least one additional surfactant of (b) comprises ~~an amphoteric surfactant~~ and an anionic surfactant.

17. (Currently Amended) The hard surface cleaning composition according to claim 3 wherein said at least one

additional surfactant of (b) comprises ~~an amphoteric surfactant~~ and an anionic surfactant.

18. (Currently Amended) The hard surface cleaning composition according to claim 4 wherein said at least one additional surfactant of (b) comprises ~~an amphoteric surfactant~~ and an anionic surfactant.

19. (Currently Amended) The hard surface cleaning composition according to claim 15 wherein said at least one amphoteric surfactant is disodium cocoamphodipropionate and said anionic surfactant is a sulfate and/or sulfonate compound.

20. (Currently Amended) The hard surface cleaning composition according to claim 16 wherein said at least one amphoteric surfactant is disodium cocoamphodipropionate and said anionic surfactant is a sulfate and/or sulfonate compound.

21. (Original) The hard surface composition according to claim 19 wherein said at least one volatile evaporative organic solvent is ethylene glycol n-hexyl ether.

22. (Original) The hard surface composition according to claim 20 wherein said at least one volatile evaporative organic solvent is ethylene glycol n-hexyl ether.

23. (Original) The hard surface cleaning composition according to claim 1 wherein said composition has a pH of 2 or above.

24. (Original) The hard surface cleaning composition according to claim 2 wherein said composition has a pH of 2 or above.

25. (Original) The hard surface cleaning composition according to claim 1 wherein said composition has a pH of 2 to 13.

26. (Original) The hard surface cleaning composition according to claim 2 wherein said composition has a pH of 2 to 13.

27. (Currently Amended) The hard surface cleaning composition according to claim 1 wherein said at least one co-solvent of (c) ~~is~~ includes propylene glycol.

28. (Currently Amended) The hard surface cleaning composition according to claim 2 wherein said at least one co-solvent of (c) ~~is~~ includes propylene glycol.

29. (Currently Amended) The hard surface cleaning composition according to claim 3 wherein said at least one co-solvent of (c) ~~is~~ includes is propylene glycol.

30. (Currently Amended) The hard surface cleaning composition according to claim 4 wherein said at least one co-solvent of (c) ~~is~~ includes propylene glycol.

31. (Canceled).

32. (Canceled).

33. (Canceled).

34. (Canceled).

35. (Currently Amended) The hard surface cleaning composition according to claim 9 wherein said at least one co-solvent of (c) ~~is~~ includes propylene glycol.

36. (Currently Amended) The hard surface cleaning composition according to claim 10 wherein said at least one co-solvent of (c) ~~is~~ includes propylene glycol.

37. (Currently Amended) The hard surface cleaning composition according to claim 1 wherein said at least one co-solvent of (c) ~~is~~ includes monoethanolamine.

38. (Currently Amended) The hard surface cleaning composition according to claim 2 wherein said at least one co-solvent of (c) ~~is~~ includes monoethanolamine.

39. (Currently Amended) The hard surface cleaning composition according to claim 3 wherein said at least one co-solvent of (c) ~~is~~ includes monoethanolamine.

40. (Currently Amended) The hard surface cleaning composition according to claim 4 wherein said at least one co-solvent of (c) ~~is~~ includes monoethanolamine.

41. (Canceled).

42. (Canceled).

43. (Canceled).

44. (Canceled).

45. (Currently Amended) The hard surface cleaning composition according to claim 9 wherein said at least one co-solvent of (c) ~~is~~ includes monoethanolamine.

46. (Currently Amended) The hard surface cleaning composition according to claim 10 wherein said at least one co-solvent of (c) ~~is~~ includes monoethanolamine.

47. (Original) The hard surface cleaning composition according to claim 25 wherein said at least one co-solvent of (c) further includes monoethanolamine.

48. (Original) The hard surface cleaning composition according to claim 26 wherein said at least one co-solvent of (c) further includes monoethanolamine.

49. (Currently Amended) The hard surface cleaning composition according to claim 1 wherein said at least one ~~co-solvent of (c)~~ aliphatic alcohol is isopropanol.

50. (Currently Amended) The hard surface cleaning composition according to claim 2 wherein said at least one ~~co-solvent of (c)~~ aliphatic alcohol is isopropanol.

51. (Currently Amended) The hard surface cleaning composition according to claim 3 wherein said at least one ~~co-solvent of (c)~~ aliphatic alcohol is isopropanol.

52. (Currently Amended) The hard surface cleaning composition according to claim 4 wherein said at least one ~~co-solvent of (e)~~ aliphatic alcohol is isopropanol.

53. (Canceled).

54. (Canceled).

55. (Currently Amended) The hard surface cleaning composition according to claim 15 wherein said at least one ~~co-solvent of (e)~~ aliphatic alcohol is isopropanol.

56. (Currently Amended) The hard surface cleaning composition according to claim 16 wherein said at least one ~~co-solvent of (e)~~ aliphatic alcohol is isopropanol.

57. (Currently Amended) The hard surface cleaning composition according to claim 19 wherein said at least one ~~co-solvent of (e)~~ aliphatic alcohol is isopropanol.

58. (Currently Amended) The hard surface cleaning composition according to claim 20 wherein said at least one ~~co-solvent of (e)~~ aliphatic alcohol is isopropanol.

59. (Original) The hard surface cleaning composition according to claim 1 further comprising a polymer or a copolymer.

60. (Original) The hard surface cleaning composition according to claim 59 wherein said polymer is an acrylic polymer.

61. (Original) The hard surface cleaning composition according to claim 59 wherein said copolymer is an acrylic copolymer.

62. (Currently Amended) A hard surface cleaning composition comprising

(a) greater than 0 to about 4% by wt. of at least one low-volatile and/or high-volatile evaporative organic solvent that has limited solubility in water of less than 20% and reduces surface tension of the composition to less than 40 dynes/cm;

(b) greater than 0 to about 5% by wt. of at least one amphoteric surfactant and, optionally, at least one surfactant which is ~~amphoterie~~, anionic, nonionic, cationic or a mixture thereof;

(c) from greater than 0 to about 30% by wt. of at least one co-solvent which is different from (a) and when said co-solvent is a low volatile non-VOC solvent, said co-solvent has at least a different water-solubility or different surface tension reduction capacity from said solvent of (a), and includes at least one aliphatic alcohol;

(d) a polymer or a copolymer; and

(e) a balance of an aqueous carrier;

wherein said composition has less than about 4% by wt. volatile organic compound (VOC) content.

63. (Original) A hard surface cleaning composition according to claim 62 wherein said polymer is an acrylic polymer.

64. (Original) A hard surface cleaning composition according to claim 62 wherein said copolymer is an acrylic copolymer.

65. (Currently Amended) A hard surface cleaning composition according to claim 62 wherein said solvent of (a) is a glycol ether, said at least one additional surfactant of (b) ~~includes an amphoteric surfactant~~ is present and includes an anionic surfactant, said at least one co-solvent of (c) ~~includes an aliphatic alcohol,~~ a glycol and an alkanolamine.

66. (New) A hard surface cleaning composition according to claim 1, wherein said VOC content is 3% by wt. or less.

67. (New) A hard surface cleaning composition according to claim 2, wherein said VOC content is 3% by wt. or less.

68. (New) A hard surface cleaning composition according to claim 62, wherein said VOC content is 3% by wt. or less.

69. (New) A hard surface cleaning composition according to claim 1, wherein said VOC content is about 1% by wt. or less.

70. (New) A hard surface cleaning composition according to claim 2, wherein said VOC content is about 1% by wt. or less.

71. (New) A hard surface cleaning composition according to claim 62, wherein said VOC content is about 1% by wt. or less.